

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: CNX Gas Company LLC

DIVISION OF GAS AND OIL
DOCKET NO.: VGOB 15-1117-4076

RELIEF SOUGHT: POOLING

LOCATION: SEE EXHIBITS "A" AND "A1"

HEARING DATE: November 17, 2015

UNIT NUMBER: AV-148
IN THE MIDDLE RIDGE I COALBED METHANE GAS FIELD

TAZEWELL COUNTY, VIRGINIA

APPLICATION

1. **Applicant and its counsel:** Applicant is CNX Gas Company LLC, 2481 John Nash Blvd., Bluefield, West Virginia 24701, 304/323-6500. Applicant's counsel is Mark A. Swartz, Hilliard & Swartz, LLP, 122 Capitol Street, FL 2, Charleston, WV 25301.
2. **Relief sought:** Pooling under Middle Ridge I Coalbed Methane Gas Field.
3. **Legal Authority:** Va. Code Ann. §45.1-361.1 et seq. 4 VAC 25-160-10 et seq. and relevant Virginia Gas and Oil Board Orders heretofore promulgated pursuant to law including OGCB 3-90; VGOB-91-1119-162; VGOB 92/02/16-0336; and VGOB 93/03/16-0349.
4. **Type of well(s):** Coalbed methane, including increased density wells as required by mining plans.
5. **Permit numbers, if any:** CBM-AV148 Permit #7665
6. **Plat:** Annexed hereto are Exhibit A and the Tract Identifications for Exhibit A. The Plat shows the size and shape of the unit and the boundaries of the tracts within the unit. The plat is certified by a licensed professional engineer and is attested by the undersigned on behalf of the applicant to be in conformity with existing orders issued by the Board.
7. **Status of interests to be pooled/re-pooled and Applicant' standing:** The respondents whose interests are sought to be pooled/re-pooled by the Applicant are:

Barri Bandy; Unknown Heirs of Edward Fulton

Further, said respondents are listed in Exhibit B-3 hereto which describes their interests/claims. The respondents and others, if any, whose interests are subject to escrow under §45.1-361.21.D. are identified at Exhibit E. The annexed Exhibit B-3 at pages 2 and 3 sets forth the total interest(s) held by Applicant in the unit.

8. **Formation(s) to be produced and estimates:** All coal seams and associated strata below the Tiller seam of coal all as more particularly described in the annexed proposed order. The estimated total production from subject unit is **125 to 550** MMCF. The estimated amount of reserves from the subject drilling unit is **125 to 550** MMCF. These figures concerning

estimated production and the amount of reserves are, however, estimates only that are not based upon actual production and should not be relied upon for any purpose. It should not be assumed that final production before plugging and abandonment will equal estimated reserves.

9. **Estimate of allowable costs:** \$575,543.00 (AV148 \$285,449.00 & AV148A \$290,094.00) See Exhibit C which estimates/reports the costs associated with two frac wells. To the extent additional wells may be required by mine plans in the Buchanan No. 1 Mine, the costs of any such additional wells as may be permitted by the Division of Gas and Oil, in accordance with the provisions of §45.1-361.20.C., Code of Virginia, will not be allocated for frac well production to the subject unit by the Operator.

10. **Attestation:** The foregoing application, to the best of my knowledge, information, and belief, is true and correct.

CNX GAS COMPANY LLC
BY ITS PROFESSIONAL MANAGER
CNX GAS COMPANY LLC, PETITIONER

By: _____


Anita D. Duty

Pooling Supervisor

2481 John Nash Blvd.

Bluefield, West Virginia 24701

BEFORE THE VIRGINIA GAS AND OIL BOARD

APPLICANT: CNX Gas Company LLC

DIVISION OF GAS AND OIL
DOCKET NO. VGOB 15-1117-4076

RELIEF SOUGHT: POOLING

UNIT NUMBER: AV-148

NOTICE OF HEARING

HEARING DATE: November 17, 2015
PLACE: Russell County Conference Center
135 Highlands Drive
Lebanon, Virginia 24266
TIME: 9:00 AM

COMMONWEALTH OF VIRGINIA:

To: *Barri Bandy; Unknown Heirs of Edward Fulton*

1. **Applicant and its counsel:** Applicant is CNX Gas Company LLC, 2481 John Nash Blvd., Bluefield, West Virginia 24701, 304/323-6500. Applicant's counsel is Mark A. Swartz, Hilliard & Swartz, LLP, 122 Capitol Street, FL 2, Charleston, WV 25301.

2. **Relief sought:** Pooling

3. **Proposed provisions of order:** (a) Pooling all the interests and estates of the persons named above in coalbed methane in the unit in question; (b) Establishing a procedure whereby each respondent shall have the right to make elections; (c) Providing that any respondent who does not make a timely election shall be deemed to have leased or assigned his coalbed methane gas interests to the applicant at a rate to be established by the Board; (d) Designating CNX Gas Company LLC as Unit Operator; (e) Making any necessary provisions for the escrow of funds; (f) Granting such other relief as is merited by the evidence and is just and equitable, whether or not such relief has been specifically requested herein.

4. **Legal Authority:** Va. Code Ann. §45.1-361.1 et seq. 4 VAC 25-160-10 et seq. and relevant Virginia Gas and Oil Board Orders heretofore promulgated pursuant to law including OGCB 3-90; VGOB-91-1119-162; VGOB 92/02/16-0336; and VGOB 93/03/16-0349.

5. **Type of well(s):** Coalbed methane.

6. **Plat:** Annexed hereto are Exhibit A, Exhibit A1 and the Tract Identifications for Exhibit A. The Plat shows the size and shape of the unit and the boundaries of the tracts within the unit. The Tract Identification page shows the percentage of acreage in each tract. The plat is certified by a licensed professional engineer and is attested by the undersigned on behalf of the applicant to be in conformity with existing orders issued by the Board.

7. **Your interest or claim sought to be pooled by this Application pertains to coalbed methane gas.**

8. **Formation(s) to be produced and estimates:** All coal seams and associated strata below the Tiller seam of coal all as more particularly described in the annexed proposed order. The estimated total production from subject unit is **125 to 550** MMCF. The estimated amount of reserves from the subject drilling unit is **125 to 550** MMCF. These figures concerning estimated production and the amount of reserves are, however, estimates only that are not based upon actual production and should not be relied upon for any purpose. It should not be assumed that final production before plugging and abandonment will equal estimated reserves.

9. **Estimate of allowable costs:** **\$575,543.00 (Well AV148 \$285,449.00 & AV148A \$290,094.00)**


10. **Attestation:** The foregoing application to the best of my knowledge, information, and belief is true and correct.

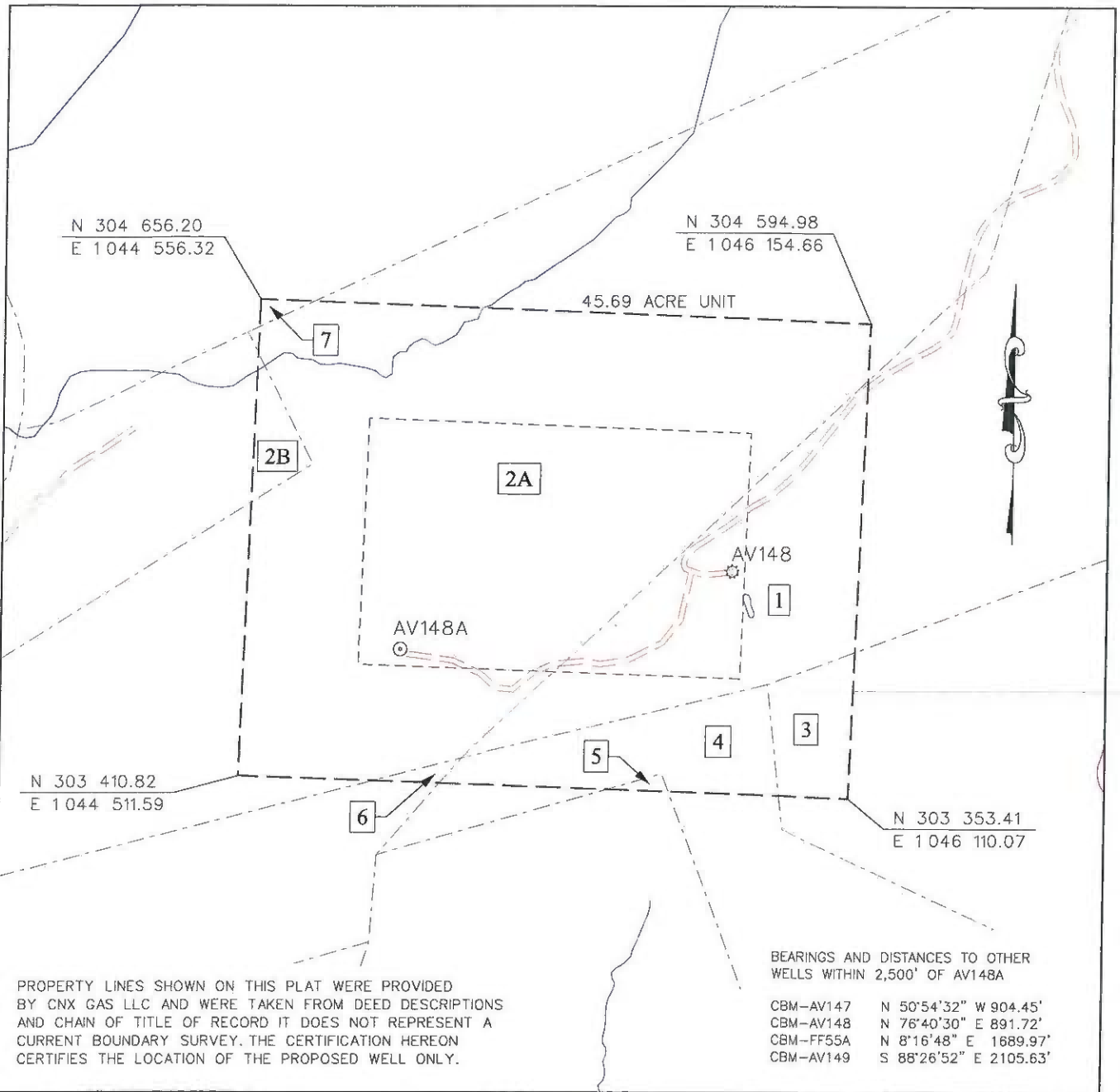
NOTICE IS FURTHER GIVEN that this cause has been set for hearing and the taking of evidence before the Board at 9:00 AM, on **November 17, 2015**, at the Russell County Government Conference Center, 139 Highlands Drive, Lebanon, Virginia 24266, and that notice will be published as required by law and the Rules of the Board.

NOTICE IS FURTHER GIVEN that you may attend this hearing, with or without an attorney, and offer evidence or state any comments you have. For further information or a copy of the Application and Exhibits, either contact the Virginia Gas and Oil Board, State Oil and Gas Inspector, Department of Mines, Minerals and Energy, the Division of Gas and Oil, 135 Highland Drive, Lebanon, Virginia 24266, 276/415-9650 or the Applicant at the address shown below.

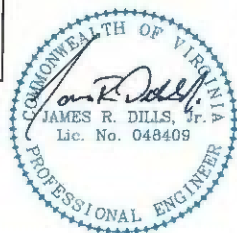
DATED: 10/16/15

CNX GAS COMPANY LLC
BY ITS PROFESSIONAL MANAGER
CNX GAS COMPANY LLC, PETITIONER

By: 
Anita D. Duty
Pooling Supervisor
2481 John Nash Blvd.
Bluefield, West Virginia 24701



☉ CBM WELL
⊙ PROPOSED CBM WELL



Digitally signed by James R Dills Jr.
DN: c=US, o=IdenTrust ACES Business Representative, ou=D. R. PRICE ENGINEERING AND LAND SURVEYING INC PC, cn=James R Dills Jr., 0.9.2342.19200300.100.1.1=A0109690000012E01701153000027 EA
Date: 2015.10.13 11:15:48 -04'00'

EXHIBIT A
MIDDLE RIDGE FIELD
UNIT AV148
FORCE POOLING
VGOB-15-1117-4076

Company CNX Gas Company LLC Well Name and Number UNIT AV148
 Tract No. _____ Elevation _____ Quadrangle RICHLANDS
 County TAZEWELL District MAIDEN SPRINGS Scale: 1" = 400' Date _____
 This plat is a new plat X ; an updated plat _____ ; or a final plat _____

Form DGO-GO-7 _____ (Affix Seal)
 Rev. 9/91 Licensed Professional Engineer or Licensed Land Surveyor

CNX Gas Company LLC

UNIT AV148

Tract Identifications

(45.69 Acre Unit)

1. CONSOL Amonate Mining Company, LLC (Faraday Tract 261) 343.06 Acre Tract – All Coal
Lauren Land Company – Lower Seaboard and Above Coal Leased
CNX Gas Company LLC – CBM
Cabot Oil and Gas Corporation – Oil and Gas
Dominion Woodlands LLC – Surface
Tax Map 87A Parcel 38
8.57 Acres 18.7568%

2. CONSOL Amonate Mining Company, LLC (Faraday Tract 260) 84.35 Acre Tract – All Coal
Lauren Land Company – Lower Seaboard and Above Coal Leased
CNX Gas Company LLC – CBM
Cabot Oil and Gas Corporation – Oil and Gas
Tax Map 87A Parcel 34
31.85 Acres 69.7089%

- 2A. Dominion Woodlands LLC – Surface
- 2B. Norton Coal Company LLC – Surface

3. CONSOL Amonate Mining Company, LLC (Faraday Tract 137) 44.49 Acre Tract – All Coal
Lauren Land Company – Lower Seaboard and Above Coal Leased
CNX Gas Company LLC – CBM
Cabot Oil and Gas Corporation – Oil and Gas
Dominion Woodlands LLC – Surface
Tax Map 87A Parcel 36
1.59 Acres 3.4800%

4. CNX Gas Company LLC (20/21) & Barri Bandy(1/21) – Minerals
Unknown Surface Owner
Tax Map 87A Parcel 24
3.35 Acres 7.3320%

5. Simmons Land and Properties, Inc, et al – Minerals
CNX Gas Company LLC – Oil, Gas and CBM Leased (50%)
Unknown Surface Owner
Tax Map 87A Parcel 22
0.08 Acre 0.1751%

6. CONSOL Amonate Mining Company, LLC (Faraday Tract 154) 21.85 Acre Tract – All Coal
Lauren Land Company – Lower Seaboard and Above Coal Leased
CNX Gas Company LLC – CBM
Cabot Oil and Gas Corporation – Oil and Gas
Unknown Surface Owner
Tax Map 87A Parcel 35
0.12 Acre 0.2627%

7. Southern Region Industrial Realty Corp., Tr.13 (584.42 Acre Tract) – All Coal except P-3 Seam
CNX RCPC LLC – Coal in P-3 Seam
CNX Gas Company LLC – CBM in P-3 Seam
White Wolf Energy, Inc - All Coal Leased except P-3, Raven, Tiller and Lower Seaboard Seams
Massey Energy – Coal in Raven, Tiller and Lower Seaboard Seams Leased

"This title block is for general informational purposes only and does not reflect an analysis of the severance deed and its effect upon coal bed methane ownership and should not be relied upon for such purpose."

CNX Gas Company LLC

UNIT AV148

Tract Identifications

(45.69 Acre Unit)

Pardee Royalty LLC and Pardee Minerals LLC – Oil, Gas and CBM except CBM in P-3 Seam

CNX Gas Company LLC – CBM Leased (Deemed Leased via JOA)

Southern Region Industrial Realty Corporation – Surface

Appalachian Forests A., LLC - Timber

Tax Map 87A Parcel 32

0.13 Acre 0.2845%

"This title block is for general informational purposes only and does not reflect an analysis of the severance deed and its effect upon coal bed methane ownership and should not be relied upon for such purpose."

Exhibit B
Unit AV-148
Docket #VGOB 15-1117-4076
List of all Owners/Claimants
(45.69 Acre Unit)

	Acres in Unit	Percent of Unit
I. COAL OWNERSHIP		
<u>Tract #1, 8.57 acres</u>		
(1) Consol Amonate Mining Company, LLC (Faraday Tr.261) 10545 Riverside Dr Oakwood, VA 24631	8.57 acres	18.7568%
<u>Tract #2, 31.85 acres</u>		
(1) Consol Amonate Mining Company, LLC (Faraday Tr.260) 10545 Riverside Dr Oakwood, VA 24631	31.85 acres	69.7089%
<u>Tract #3, 1.59 acres</u>		
(1) Consol Amonate Mining Company, LLC (Faraday Tr.137) 10545 Riverside Dr Oakwood, VA 24631	1.59 acres	3.4800%
<u>Tract #4, 3.35 acres</u>		
(1) CNX Gas Company LLC	3.35 acres	7.3320%
(a) CNX Gas Company LLC 1000 Consol Energy Dr Canonsburg, PA 15317	3.19 acres 20/21 of 3.35 acres	6.9829%
(b) Barri Bandy PO Box 310 Richlands, VA 24641	0.16 acres 1/21 of 3.35 acres	0.3491%
<u>Tract #5, 0.08 acres</u>		
(1) Simmons Land and Properties, Inc., et al	0.08 acres	0.1751%
(a) Simmons Land and Properties, Inc. 109 Eagle Street Richlands, VA 24641	0.04 acres 1/2 of 0.08 acres	0.0875%
(b) Edward Fulton Heirs, Devisees, Successors or Assigns (Heirs Unknown)	0.04 acres 1/2 of 0.08 acres	0.0875%
<u>Tract #6, 0.12 acres</u>		
(1) Consol Amonate Mining Company, LLC (Faraday Tr.154) 10545 Riverside Dr Oakwood, VA 24631	0.12 acres	0.2626%
<u>Tract #7 - 0.13 acres</u>		
(1) Southern Region Industrial Realty Corp. (Coal except P3 Seam) Tr. 13 (584.42 acre tract) Pocahontas Land Corporation, Agent P. O. Box 1517 Bluefield, WV 24701	0.13 acres	0.2845%

Southern Region Industrial Realty Corp. conveyed all rights, title and interest by Special Warranty Oil & Gas Deed to Penn Virginia Oil & Gas Corporation on April 1, 2000, recorded in Buchanan County under DB508 / PG99

Penn Virginia Oil & Gas Corporation

Effective January 1, 2012, Penn Virginia Oil & Gas Corporation by Assignment and Bill of Sale transferred all of its rights, title and interest to "certain" properties to EverVest Energy Funds

EnerVest Energy Funds

With an effective date of January 1, 2013, Enervest Energy Funds conveyed by Special Warranty Deed all its rights, title and interest to "certain" properties to Pardee Royalty LLC and Pardee Minerals LLC

Exhibit B
Unit AV-148
Docket #VGOB 15-1117-4076
List of all Owners/Claimants
(45.69 Acre Unit)

	Acres in Unit	Percent of Unit
Pardee Royalty LLC and Pardee Minerals LLC P. O. Box 102904 Atlanta, GA 30368-2904		
White Wolf Energy, Inc. 300 Corporate Centre Drive Scott Depot, WV 25660 <i>(previously Anker Virginia Mining Company, Inc.)</i>		
(2) Consol Buchanan Mining Company LLC <i>(Coal in P3 Seam only)</i> 10545 Riverside Drive Oakwood, VA 24631	0.13 acres	
II. OIL & GAS OWNERSHIP		
<u>Tract #1, 8.57 acres</u>		
(1) Cabot Oil & Gas Corporation PO Box 972875 Dallas, TX 75397-2875	8.57 acres	18.7568%
<i>*Note: Oil & Gas estates owned by Cabot Oil & Gas Corporation, <u>CNX Gas owns the CBM</u></i>		
<u>CBM Owner:</u>		
CNX Gas Company LLC 1000 Consol Energy Dr Canonsburg, PA 15317		
<u>Tract #2, 31.85 acres</u>		
(1) Cabot Oil & Gas Corporation PO Box 972875 Dallas, TX 75397-2875	31.85 acres	69.7089%
<i>*Note: Oil & Gas estates owned by Cabot Oil & Gas Corporation, <u>CNX Gas owns the CBM</u></i>		
<u>CBM Owner:</u>		
CNX Gas Company LLC 1000 Consol Energy Dr Canonsburg, PA 15317		
<u>Tract #3, 1.59 acres</u>		
(1) Cabot Oil & Gas Corporation PO Box 972875 Dallas, TX 75397-2875	1.59 acres	3.4800%
<i>*Note: Oil & Gas estates owned by Cabot Oil & Gas Corporation, <u>CNX Gas owns the CBM</u></i>		
<u>CBM Owner:</u>		
CNX Gas Company LLC 1000 Consol Energy Dr Canonsburg, PA 15317		
<u>Tract #4, 3.35 acres</u>		
(1) CNX Gas Company LLC	3.35 acres	7.3320%
(a) CNX Gas Company LLC 1000 Consol Energy Dr Canonsburg, PA 15317	3.19 acres 20/21 of 3.35 acres	6.9829%
(b) Barri Bandy PO Box 310 Richlands, VA 24641	0.16 acres 1/21 of 3.35 acres	0.3491%

Exhibit B
Unit AV-148
Docket #VGOB 15-1117-4076
List of all Owners/Claimants
(45.69 Acre Unit)

	Acres in Unit	Percent of Unit
<u>Tract #5, 0.08 acres</u>		
(1) Simmons Land and Properties, Inc., et al	0.08 acres	0.1751%
(a) Simmons Land and Properties, Inc. 109 Eagle Street Richlands, VA 24641	0.04 acres 1/2 of 0.08 acres	0.0875%
(b) Edward Fulton Heirs, Deviseses, Successors or Assigns <i>(Heirs Unknown)</i>	0.04 acres 1/2 of 0.08 acres	0.0875%
<u>Tract #6, 0.12 acres</u>		
(1) Cabot Oil & Gas Corporation PO Box 972875 Dallas, TX 75397-2875	0.12 acres	0.2626%
<i>*Note: Oil & Gas estates owned by Cabot Oil & Gas Corporation, <u>CNX Gas owns the CBM</u></i>		
<u>CBM Owner:</u>		
CNX Gas Company LLC 1000 Consol Energy Dr Canonsburg, PA 15317		
<u>Tract #7 - 0.13 acres</u>		
(1) Pardee Royalty LLC and Pardee Minerals LLC	0.13 acres	0.2845%
(a) Pardee Royalty LLC * P. O. Box 102904 Atlanta, GA 30368-2904	0.065 acres 1/2 of 0.13 acres	0.1423%
(b) Pardee Minerals LLC * P. O. Box 102904 Atlanta, GA 30368-2904	0.065 acres 1/2 of 0.13 acres	0.1423%
White Wolf Energy, Inc. * 300 Corporate Centre Drive Scott Depot, WV 25660 <i>(previously Anker Virginia Mining Company, Inc.)</i>		

**** According to a prior agreement, the CBM royalties will be split 50/50.***

Exhibit B-3
 Unit AV-148
 Docket #VGOB 15-1117-4076
 List of respondents to be pooled
 (45.69 Acre Unit)

	Acres in Unit	Percent of Unit
II. OIL & GAS OWNERSHIP		
<u>Tract #4, 3.35 acres</u>		
(1) CNX Gas Company LLC	3.35 acres	7.3320%
(b) Barri Bandy PO Box 310 Richlands, VA 24641	0.16 acres 1/21 of 3.35 acres	0.3491%
<u>Tract #5, 0.08 acres</u>		
(1) Simmons Land and Properties, Inc., et al	0.08 acres	0.1751%
(b) Edward Fulton Heirs, Devisees, Successors or Assigns <i>(Heirs Unknown)</i>	0.04 acres 1/2 of 0.08 acres	0.0875%
<u>TOTAL OIL & GAS ESTATE:</u>		
Acreage in Unit Unleased	0.20	
Percentage of Unit Unleased		0.4367%

Company: CNX Gas Company LLC

Virginia Gas And Oil Template -- Estimated Authorization For Expenditure (AFE)

AFE #	N/A	Property #	N/A	Version #	
Well Name:	AV148	Field:	Oakwood	Completed By:	R.E. Staton
Location:	Tazewell County	Operator:	CNX Gas Company LLC	Date:	10/12/15
Expected Pay Zones:	coal seams below Tiller incl. Poca 3 and Squire	Estimated Total Depth:	2,200 ft	AAPG Class:	CBM
Proposed Work:	To drill, complete, and produce	Participant(s):	N/A	W.I.	

Gen	Sub	Description	Casing Point	Completion	Total Cost
		Leasehold Costs	\$0	\$0	\$0
		Permit / Title Opinion / Survey / Insurance	\$5,300	\$0	\$5,300
		Building Location	\$35,000	\$0	\$35,000
		Roads / Stone / Culverts	\$25,000	\$0	\$25,000
		Surface Damages	\$5,000	\$0	\$5,000
		Drilling - Footage	\$0	\$0	\$0
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
I		Cement Surface casing	\$2,000	\$0	\$2,000
N		Cement Intermediate casing	\$8,000	\$0	\$8,000
T		Open Hole Logging & Testing	\$3,900	\$0	\$3,900
A		Trucking / Dozer (Drilling)	\$0	\$0	\$0
N		Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
G		Drilling - Bits	\$0	\$0	\$0
I		Technical Supervision (Drilling)	\$0	\$0	\$0
B		Fresh Water Hauling (Drilling)	\$0	\$0	\$0
L		Overhead Rate	\$0	\$0	\$0
E		Misc. & Contingencies	\$0	\$3,000	\$3,000
S		Location Rds/Stone/Culverts	\$0	\$0	\$0
		Trucking / Dozer (Completion)	\$0	\$0	\$0
		Technical Supervision (Completion)	\$0	\$0	\$0
		Cased Hole Logging / Perforating	\$0	\$0	\$0
		Stimulation / Fracturing	\$0	\$93,000	\$93,000
		Completion Rig	\$0	\$0	\$0
		Reclamation & Damages	\$0	\$0	\$0
		Haul Pit Water / Disposal	\$0	\$0	\$0
		Cement Production Casing	\$0	\$0	\$0
		Rental Tools & Equipment (Completion)	\$0	\$0	\$0
		Fresh Water Hauling (Completion)	\$0	\$0	\$0
		Roustabout Labor	\$0	\$3,800	\$3,800
		TOTAL INTANGIBLES	\$82,200	\$99,800	\$182,000

Code	Code	Description	Casing Point	Completion	Total Cost	
T		13 3/8" Conductor	75 Ft	\$7,500	\$0	\$7,500
A		9 5/8" 28 lb/ft LS Surface Csg	0 Ft	\$0	\$0	\$0
N		7" 19 lb/ft LS Intermediate Csg	750 Ft	\$8,873	\$0	\$8,873
G		4 1/2" 9.5 lb/ft M-65 Production Csg	2,040 Ft	\$15,300	\$0	\$15,300
I		4 1/2" 10.5 lb/ft M-65 Production Csg	20 Ft	\$1,200	\$0	\$1,200
B		2-3/8" 4.7 lb/ft J55 8rd Production Tubing	2,115 Ft	\$0	\$15,376	\$15,376
L		Wellhead Equipment / Fittings	\$0	\$6,200	\$6,200	\$6,200
E		Tank Battery	\$0	\$0	\$0	\$0
S		Separator / Heater / Treater	\$0	\$15,000	\$15,000	\$15,000
		Gas Lift Equipment	\$0	\$0	\$0	\$0
		Rods / Stuffing Box	\$0	\$13,000	\$13,000	\$13,000
		Downhole Pump	\$0	\$0	\$0	\$0
		Pumping Unit / Motor	\$0	\$11,000	\$11,000	\$11,000
		SS EQT-Packer,PF,FC,Nip	\$0	\$0	\$0	\$0
		Valves & Fittings	\$0	\$0	\$0	\$0
		Flow Line labor/material	\$0	\$5,000	\$5,000	\$5,000
		Sales line labor/mat/row	\$0	\$5,000	\$5,000	\$5,000
		TOTAL TANGIBLES	\$32,873	\$70,576	\$103,449	

GRAND TOTAL WELL COST			\$115,073	\$170,376	\$285,449
153	115	Plugging & Abandonment	\$25,000		
Production Costs :			\$285,449	Dry Hole Costs :	\$140,073

Prepared by: Bob Staton Title Permit Agent Date 10/12/15

THIS IS AN ESTIMATE OF PROJECTED WELL DRILLING, COMPLETION, EQUIPMENT AND PIPELINE COSTS. THESE ESTIMATES ARE PROJECTIONS ONLY AND ACTUAL BILLED COSTS MAY VARY FROM WELL TO WELL DEPENDING UPON ACTUAL FINAL DEPTH AND OTHER FACTORS INCLUDING, BUT NOT LIMITED TO, SEASONAL MATERIAL COSTS, WEATHER CONDITIONS, AND UNFORESEEN RIGHT-OF-WAY PROBLEMS.

Company: ___ CNX Gas Company LLC

Virginia Gas And Oil Template -- Estimated Authorization For Expenditure (AFE)

AFE #	N/A	Property #	N/A	Version #	
Well Name:	AV148A	Field:	Oakwood	Completed By:	R.E. Stator
Location:	Tazewell County	Operator:	CNX Gas Company LLC	Date:	10/12/15
Expected Pay Zones:	coal seams below Tiller incl. Poca 3 and Squire	Estimated Total Depth:	2,200 ft	AAPG Class:	CBM
Proposed Work:	To drill, complete, and produce	Participant(s):	N/A	W.I.	

Gen	Sub	Description	Casing Point	Completion	Total Cost
		Leasehold Costs	\$0	\$0	\$0
		Permit / Title Opinion / Survey / Insurance	\$5,300	\$0	\$5,300
		Building Location	\$35,000	\$0	\$35,000
		Roads / Stone / Culverts	\$30,000	\$0	\$30,000
		Surface Damages	\$5,000	\$0	\$5,000
		Drilling - Footage	\$0	\$0	\$0
		Drilling - Mobilization	\$0	\$0	\$0
		Drilling - Dayrate	\$0	\$0	\$0
		Mud & Chemicals (Drilling)	\$0	\$0	\$0
		Fuel	\$0	\$0	\$0
I		Cement Surface casing	\$2,000	\$0	\$2,000
N		Cement Intermediate casing	\$6,000	\$0	\$6,000
T		Open Hole Logging & Testing	\$3,900	\$0	\$3,900
A		Trucking / Dozer (Drilling)	\$0	\$0	\$0
N		Rental Tools & Equipment (Drilling)	\$0	\$0	\$0
G		Drilling - Bits	\$0	\$0	\$0
I		Technical Supervision (Drilling)	\$0	\$0	\$0
B		Fresh Water Hauling (Drilling)	\$0	\$0	\$0
L		Overhead Rate	\$0	\$0	\$0
E		Misc. & Contingencies	\$0	\$3,000	\$3,000
S		Location Rds/Stone/Culverts	\$0	\$0	\$0
		Trucking / Dozer (Completion)	\$0	\$0	\$0
		Technical Supervision (Completion)	\$0	\$0	\$0
		Cased Hole Logging / Perforating	\$0	\$0	\$0
		Stimulation / Fracturing	\$0	\$93,000	\$93,000
		Completion Rig	\$0	\$0	\$0
		Reclamation & Damages	\$0	\$0	\$0
		Haul Pit Water / Disposal	\$0	\$0	\$0
		Cement Production Casing	\$0	\$0	\$0
		Rental Tools & Equipment (Completion)	\$0	\$0	\$0
		Fresh Water Hauling (Completion)	\$0	\$0	\$0
		Roustabout Labor	\$0	\$3,800	\$3,800
		TOTAL INTANGIBLES	\$87,200	\$99,800	\$187,000

Code	Code	Description	Casing Point	Completion	Total Cost	
		13 3/8" Conductor	75 Ft	\$7,500	\$0	\$7,500
		9 5/8" 26 lb/ft LS Surface Csg	0 Ft	\$0	\$0	\$0
		7" 19 lb/ft LS Intermediate Csg	720 Ft	\$8,518	\$0	\$8,518
		4 1/2" 9.5 lb/ft M-65 Production Csg	2,040 Ft	\$15,300	\$0	\$15,300
		4 1/2" 10.5 lb/ft M-65 Production Csg	20 Ft	\$1,200	\$0	\$1,200
		2-3/8" 4.7 lb/ft J55 8rd Production Tubing	2,115 Ft	\$0	\$15,376	\$15,376
		Wellhead Equipment / Fittings		\$0	\$6,200	\$6,200
		Tank Battery		\$0	\$0	\$0
		Separator / Heater / Treater		\$0	\$15,000	\$15,000
		Gas Lift Equipment		\$0	\$0	\$0
		Rods / Stuffing Box		\$0	\$13,000	\$13,000
		Downhole Pump		\$0	\$0	\$0
		Pumping Unit / Motor		\$0	\$11,000	\$11,000
		SS EQT-Packer,PF,FC,Nip		\$0	\$0	\$0
		Valves & Fittings		\$0	\$0	\$0
		Flow Line labor/material		\$0	\$5,000	\$5,000
		Sales line labor/mat/row		\$0	\$5,000	\$5,000
		TOTAL TANGIBLES		\$32,518	\$70,576	\$103,094

GRAND TOTAL WELL COST			\$119,718	\$170,376	\$290,094
153	115	Plugging & Abandonment	\$25,000		
Production Costs :			\$290,094	Dry Hole Costs :	\$144,718

Prepared by: Bob Stator Title: Permit Agent Date: 10/12/15

THIS IS AN ESTIMATE OF PROJECTED WELL DRILLING, COMPLETION, EQUIPMENT AND PIPELINE COSTS. THESE ESTIMATES ARE PROJECTIONS ONLY AND ACTUAL BILLED COSTS MAY VARY FROM WELL TO WELL DEPENDING UPON ACTUAL FINAL DEPTH AND OTHER FACTORS INCLUDING, BUT NOT LIMITED TO, SEASONAL MATERIAL COSTS, WEATHER CONDITIONS, AND UNFORESEEN RIGHT-OF-WAY PROBLEMS.

Exhibit E
Unit AV-148
Docket #VGOB 15-1117-4076
List of respondents to be escrowed due to Unknown/Unlocatable
(45.69 Acre Unit)

	Acres in Unit	Percent of Unit
II. <u>OIL & GAS OWNERSHIP</u>		
<u>Tract #5, 0.08 acres</u>		
(1) Simmons Land and Properties, Inc., et al	0.08 acres	0.1751%
(b) Edward Fulton Heirs, Devisees, Successors or Assigns <i>(Heirs Unknown)</i>	0.04 acres 1/2 of 0.08 acres	0.0875%

AFFIDAVIT OF DUE DILIGENCE

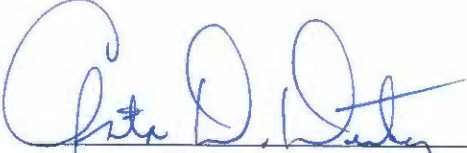
COMMONWEALTH OF VIRGINIA
COUNTY OF **TAZEWELL**

I, Anita D. Duty, after being duly sworn upon oath, state as follows:

1. I am Pooling Supervisor of CNX Land LLC and am responsible for the notification process required by Va. Code Ann. §45.1-361.19 and VR 480-05-22.2 §4.
2. That CNX Gas Company LLC has exercised due diligence in attempting to locate and notice all owners and claimants who are unleased and/or who were not previously pooled by prior order(s) of the Virginia Gas and Oil Board regarding Unit **AV-148** all as required by Va. Code Ann. §45.1-361.19 and VR 480-05-22.2.
3. That on **October 16, 2015** a true and correct copy of the Notice of Hearing with Exhibits will be mailed, via certified mail return receipt requested, to all owners and claimants listed in Exhibit B-3 for whom mailing addresses were then available.
4. That every individual or entity having an unleased or unpooled interest in the methane gas underlying the tracts in the **AV-148** unit, whether known or unknown, including those persons whose mailing address were unknown, was notified of the filing of CNX Gas Company LLC's application by publication of the Notice of Hearing in the *Bluefield Daily Telegraph*.
5. That CNX Gas Company LLC will continue to exercise due diligence in attempting to locate and identify the names and/or addresses of any unknown or unlocatable parties and, if located or identified, will notify them of CNX Gas Company LLC's application.

Docket No. VGOB 15-1117-4076
Affidavit of Due Diligence

I have read the foregoing, and the information given above is true and correct to the best of my knowledge and belief.



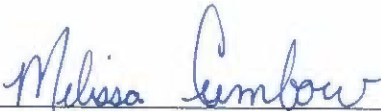
Anita D. Duty
Pooling Supervisor
for CNX Gas Company LLC

ACKNOWLEDGMENT

STATE OF WEST VIRGINIA

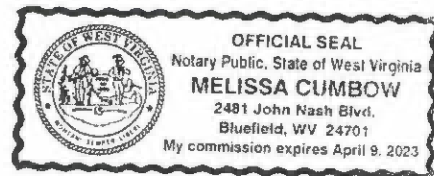
COUNTY OF MERCER, TO-WIT:

TAKEN, SUBSCRIBED AND SWORN to before me this 9th day of
November, 2015.



Notary Public

My commission expires: Apr: 19, 2023



CERTIFICATION OF NOTICE
CNX Gas Company LLC

Unit AV148
VGOB 15-1117-4076
Force Pooling

LAST NAME	FIRST NAME	MAILED	RECEIPT #	RECEIVED
Bandy	Barri	10/16/15	7015152000035333	5542 10/20/15
Fulton Heirs	Edward		**Heirs/Address Unknown**	

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Barri Bondy
 PO Box 310
 Richlands, VA 24641



9590 9403 0698 5196 3251 93

2. Article Number (Transfer from service label)

7015 1520 0003 5333 5542

PS Form 3811, April 2010

COMPLETE THIS SECTION ON DELIVERY

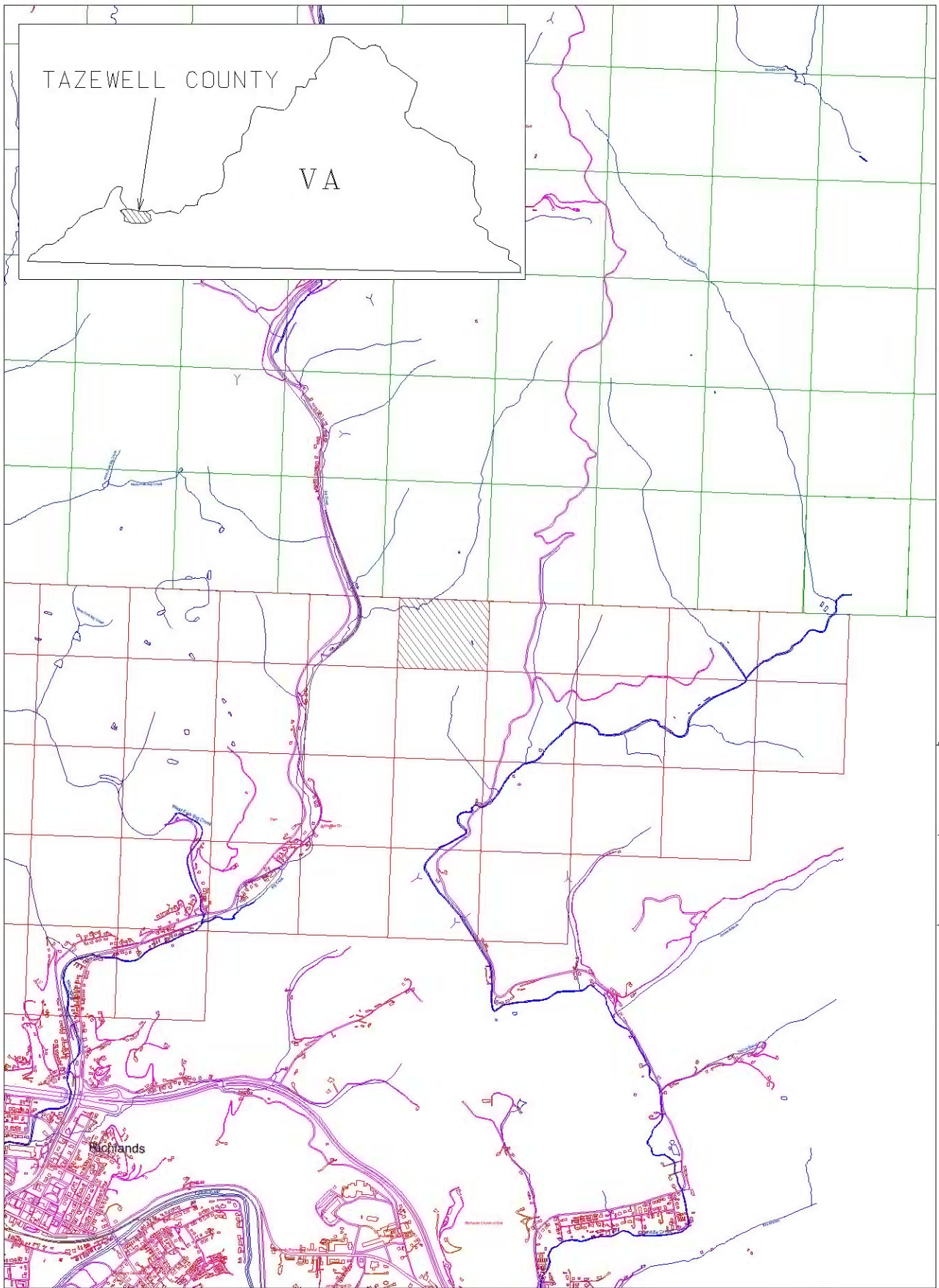
A. Signature Agent
 X *Paul H. H...* Addressee

B. Received by (Printed Name) C. Date of Delivery
 Dorellis Adams 10-20-15

D. Is delivery address different from item 1? Yes
 / If YES, enter delivery address below: No

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Insured Mail Restricted Delivery (over \$500)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Return Receipt for Merchandise
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

AJ148FP Domestic Return Receipt



144 145 146 147 148 149 150 151 152

EXHIBIT A1
 UNIT AV-148
 VGOB 15-1117-4076
 Page Number 19.